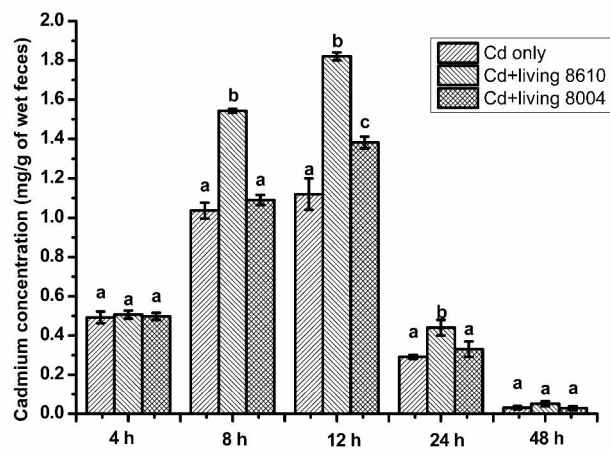


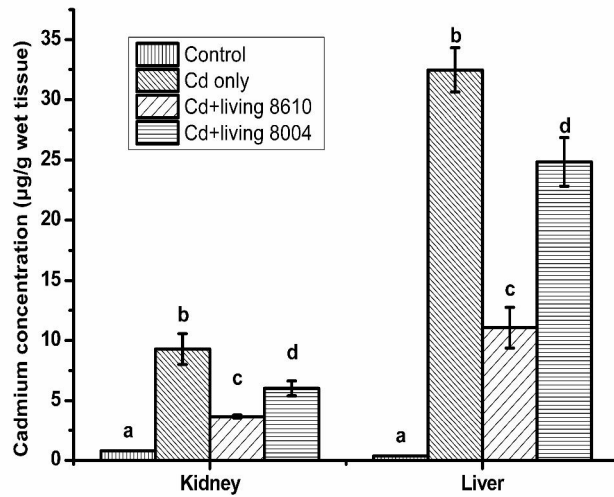
## Supplementary materials

**Table S1** Mortality of animals in 48 h after a single oral dose of cadmium chloride at 1.8 mg Cd each mouse.

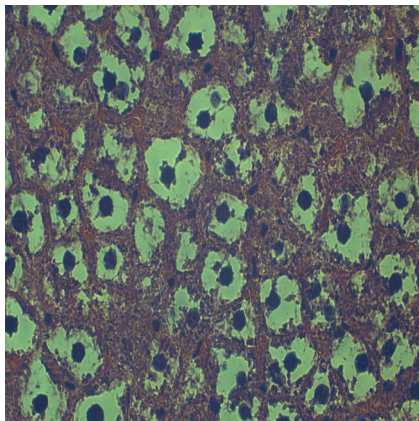
Therapy groups	Mortality
Control (n = 10)	0/10
Cd only (n=15)	4/15
Cd+living 8610 (n=10)	0/10
Cd+living 8004 (n=10)	2/10



**Fig. S2** Effects of living CCFM8610 and CCFM8004 treatments in the therapy groups on levels of cadmium in the feces of mice at different periods. a, b, c mean in each period, groups with different letters differ significantly ( $P < 0.05$ ).



**Fig. S3** Effects of living CCFM8610 and CCFM8004 treatments in the therapy groups on levels of cadmium in the tissues of mice. a, b, c, d mean in each tissue, groups with different letters differ significantly ( $P < 0.05$ ).



**Fig. S4** Hepatic tissue of mice in Cd+living CCFM8004 therapy group: loss of intact liver plates, cytoplasmic vacuolization, pyknotic nuclei, chromatin condensation and necrosis of hepatocytes.